NEW ENGLAND
COMMON ASSESSMENT PROGRAM
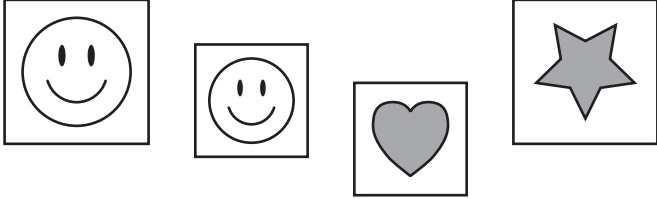
Released Items
2011

Grade 3
Mathematics

Mathematics

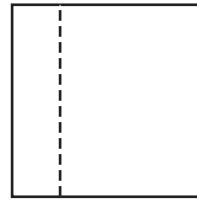Items with this symbol were selected from Session One—no calculators or other mathematics tools allowed.
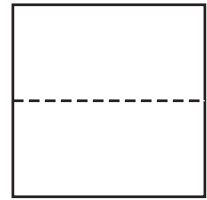
1 Look at this set of stickers.

What fraction of this set of stickers is a star?

- ○ A. $\frac{1}{4}$
- ○ B. $\frac{1}{3}$
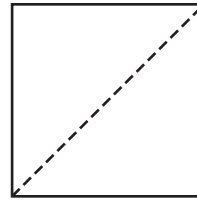- ○ C. $\frac{3}{1}$
- ○ D. $\frac{4}{1}$

2 Mrs. Cassidy gave squares to Ben, Don, Kyle, and Todd. Each boy drew dotted lines on his square to divide it into parts.
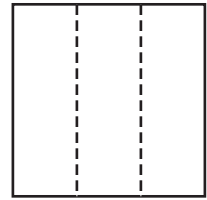
Ben   Don

Kyle   Todd

Which of the boys divided a square into halves?

- ○ A. only Todd
- ○ B. only Don
- ○ C. only Don and Kyle
- ○ D. only Ben, Don, and Kyle

3 Look at this chart.

Points Scored

Team	Number of Points
Red	65
Blue	90
Green	91
Yellow	86

Which team scored more than 75 points but less than 90 points?

○ A. Red
○ B. Blue
○ C. Green
○ D. Yellow

4 Mrs. Lin bought a box of 115 straws. She used 19 of the straws. How many straws does Mrs. Lin have now?

○ A. 94
○ B. 96
○ C. 104
○ D. 106

5 Olivia had some stickers. Then Craig gave her 3 stickers. Now she has 12 stickers. How many stickers did Olivia start with?

○ A. 15
○ B. 10
○ C. 9
○ D. 8

6 Shane had $0.65 in his pocket. Then he lost a nickel. How much money does he have now?
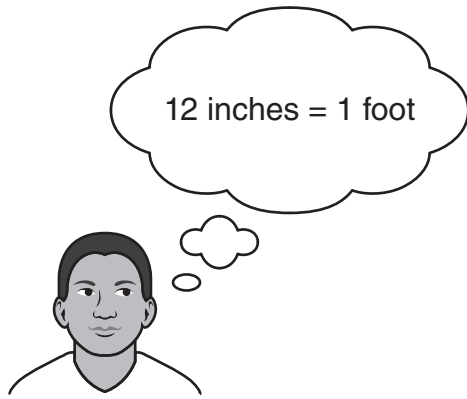
○ A.

○ B.

○ C.

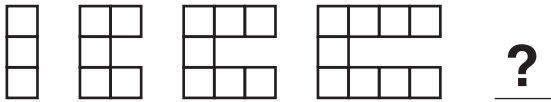
○ D.

7 A fence is 3 feet 6 inches tall.

12 inches = 1 foot

How many inches tall is the fence?

○ A. 21 inches
○ B. 30 inches
○ C. 36 inches
○ D. 42 inches

8 Look at this pattern.

?

What figure comes next in the pattern?

○ A.

○ B.

○ C.

○ D.

9 This table shows the number of balloons in different numbers of bags.

Balloons

Number of Bags	Number of Balloons
🎈	?
🎈 🎈	12
🎈 🎈 🎈	18
🎈 🎈 🎈 🎈	24
🎈 🎈 🎈 🎈 🎈	30

How many balloons are in one bag?

○ A. 8
○ B. 6
○ C. 4
○ D. 3

10 Look at this number sentence.

$$\boxed{?} - 10 = 15 - 2$$

What number makes this number sentence true?

○ A. 13
○ B. 15
○ C. 23
○ D. 25

11 A number has

- 5 in the tens place,
- 2 in the ones place, and
- 1 in the hundreds place.

What is the number?

12 Look at this number line.

Circle the point on the number line that represents 70.

⓭ Manuel wants to make an ice cream cone. He can choose one ice cream flavor and one topping from the flavors and toppings shown below.

Flavors   **Toppings**

Vanilla

                  Nuts

Chocolate

                  Fudge

Strawberry

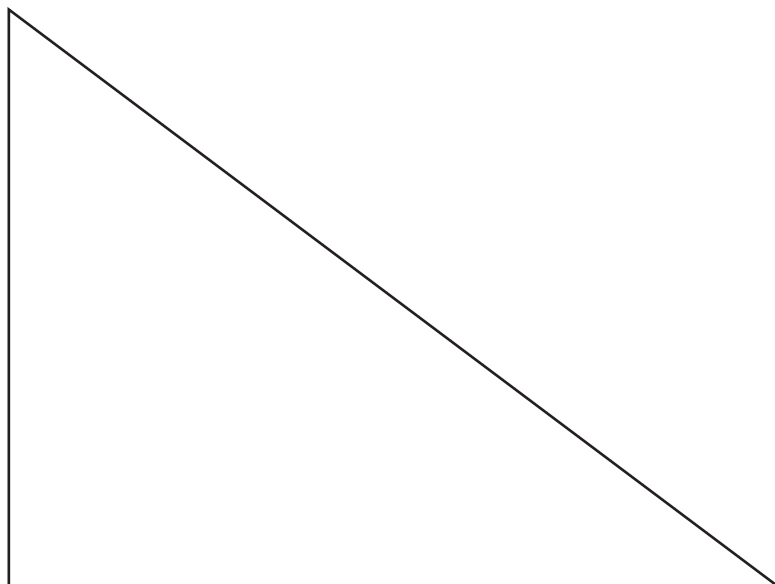Show all the different ways Manuel can choose one flavor and one topping.

14 A third-grade class has 63 students. A second-grade class has 12 more students than the third-grade class.

How many students are in the second-grade class? Use words or numbers to show your work or explain how you know.

⓯ Use your ruler to answer this question.

Look at this triangle.

Find the distance around this triangle to the nearest inch. Show your work or explain how you know.

_____ inches

16 Each student in Ms. Jackson's class voted for one game to play outside. All the students will play the game that gets the most votes. This tally chart shows the number of students who voted for each game.

Game Vote

Game	Number of Students
Duck Duck Goose	卌 |
Kickball	卌 ||
Red Light Green Light	卌 ||
Freeze Tag	||||

a. How many more students voted for Duck Duck Goose than voted for Freeze Tag?
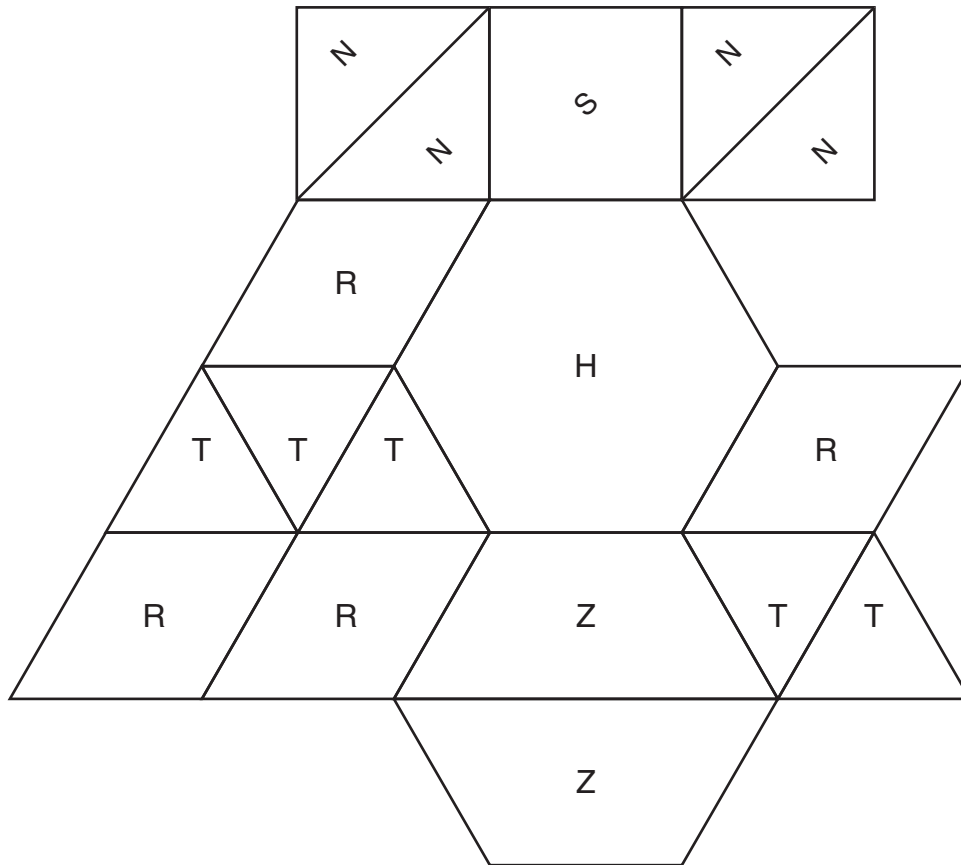
Ms. Jackson said, "We need to vote again."

b. Explain why the students need to vote again.

New England Common Assessment Program
Mathematics Tool Kit – Grade 3

Use the shapes to answer questions on the mathematics test.

square-inch tile	square-inch tile	square-inch tile	square-inch tile	square-inch tile
square-inch tile	square-inch tile	square-inch tile	square-inch tile	square-inch tile